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Schaum's Outlines Fundamentals of Computing with C++

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SCHAUM'S OUTLINE OF
THEORY AND PROBLEMS

of

**FUNDAMENTALS
OF COMPUTING
WITH C++**



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SCHAUM'S OUTLINE SERIES

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London Madrid Mexico City Milan Montreal New Dehli
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Preface

Like all Schaum's Outline Series books, this is intended to be used primarily for self study, preferably in conjunction with a regular course in the fundamentals of computer science using the new ANSI/ISO Standard C++. The book covers topics from the following fundamental units of the 1991 A.C.M. Computing Curricula:

- AL1: Basic Data Structures
- AL2: Abstract Data Types
- AL3: Recursive Algorithms
- AL4: Complexity Analysis
- AL5: Complexity Classes
- AL6: Searching and Sorting

The book includes over 500 examples and solved problems. The author firmly believes that computing is learned best by practice, following a well-constructed collection of examples with complete explanations. This book is designed to provide that support.

Source code for the examples and solved problems in this book may be downloaded from the author's World Wide Web home page:

<http://www.richmond.edu/~hubbard/>

This site will also contain any corrections and addenda for the book.

I wish to thank all my friends, colleagues, students, and the McGraw-Hill staff who have helped me with the critical review of this manuscript. Special thanks to Anita Hubbard, Jim Simons, and Maureen Walker. Their debugging skills are gratefully appreciated.

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